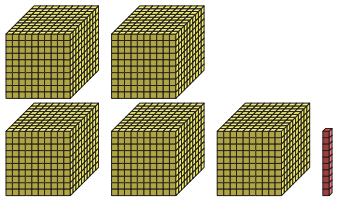
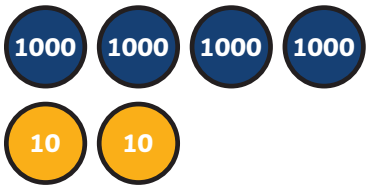
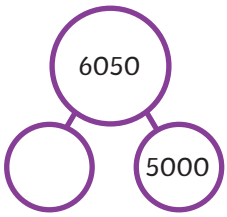
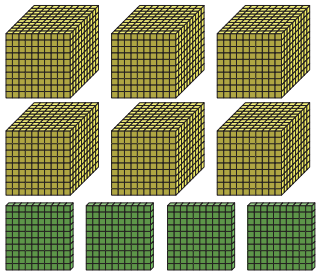
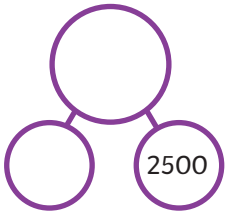
Numbers to 10 000

1)

a) Fill in the missing parts of the table to represent these numbers.

6050			
7500			
3025			

2)

a) Complete this table.

	+ 100	− 10	+ 1000	− 100
3036				
6905				
			7812	
				8650

b) For the number 6905, describe which digits change and why in each step.

Numbers to 10 000

1)

a) Look at each statement and explain why it is true or false.

Drew	Emily	Elena	Zeke	Amrit
My number is 4000 less than Zeke's.	The digit sum of my number is 20.	My number is divisible by 5.	My number is 200 more than Amrit's.	I have the smallest number.
5505	9035	9350	9505	9305

b) Which child's statement could have been said by any of the children and been true? Why?

2) Amrit uses two examples to show that when you subtract 100 from any number, only the hundreds digit changes.

Amrit

8324 – 100 = 8224

7502 – 100 = 7402

Is this always true? Prove it with an example.

3) Do you agree with Zeke? Explain your reasoning.

Zeke

3296 + 10 = 3316

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Numbers to 10 000

1) Felix has counted up in steps of 100 from a given number. He has reached 5703.

a) Write three positive numbers that he could have said.

b) Write three numbers that he could say if he carries on.

c) If he had started from a negative number, what could it have been?

2) Use the digit cards to complete the comparisons. You can only use each card once.

a) 6038 > 7 ☐ 29 – 1000

b) 3636 + 100 < 373 ☐

c) 85 ☐ 1 – 10 > 85 ☐ 0

6	0	5	8

d) Elena starts with the number 2705. Which four instructions did she follow to reach 2795? She can only use each card once.

+ 10	+ 100	+ 1000	– 10	– 100	– 1000

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